Army Training Support Center Training Support System

TRAINING SUPPORT ASSISTANCE AND INTEGRATION DIRECTORATE

MISSION ESSENTIAL REQUIREMENTS (MER)
ARMY MODULAR FORCE (AMF)

MISSION

- **TRADOC tasked to determine training support Minimum Essential Requirements (MER*) to support conversion and sustainment of modular units at home station and during deployment.**

- **Identify type and quantities of training enablers required and projected overages and shortages by installation in accordance with the Army Transformation Schedule.**

* For TADSS, ranges, ammunition, instrumentation, training facilities, intelligence related training, etc.

MER DEVELOPMENT

Actions to date and way ahead:
- **Staffed draft AMF Unit MER with proponent schools incl:**
  - **CASCOM, MANSCEN, Forts; Sill, Knox, Benning, Huachuca, Rucker, CAC-T, NSC**
- **Submitted draft Generic MER to DAMO-TRS, 09 Dec 04**
- **In a coordinated effort with FORSCOM, NSC, PEO-STRI conducted site visits to all AC installations/AMF Units including:**
  - **3ID (Ft. Stewart) *Prelim.* - 10th Mountain (Ft. Drum)**
  - **82ABN (Ft. Bragg)   - 1CD (Ft. Bliss)**
  - **1CD/4ID (Ft. Hood)   - 1ID/1AD (Ft. Riley)**
  - **4ID (Ft. Carson)**
- **Synchronize MER with emerging CATS**
- **Expand visits over time to address other AMF Units (ARNG), Global Repositioning, BRAC, AC/RC**

END STATE

- **A refined MER that reflects the necessary enablers for an AMF BCT to be successful in a training environment.**

- **A MER that represents the installations unique requirements.**

Army Modular Force (AMF) MER

MER Sustain	Hvy BCT	Inf BCT	Fires	Sustain-ment	ME BDE	MFAB Hvy	MFAB Med	MFAB LT	STRYKER BCT	Inst./ Regional Support	Comments BCT
TADSS	Systems in Blue indicate a sized or distributed capability										
Intelligence, Electronic Warfare Tactical Proficiency Trainer (IEWTPT)										X	Regional Support. Sized or distributed to support unit(s) as required. One Target Signature Array (TSA) per system such as Prophet, CHATS, GCS-UAV, CGS, ACS, GRCS, DCGS-A, TES/DTES, FCS (DCGS-A capability).
Engagement Skills Trainer (EST) Systems	X	X	X	X	X	X	X	X	X		2 x 5 lane sets per BCT
Laser Marksmanship Training System (LMTS)	X	X	X	X	X	X	X	X	X		2 CO sets per BCT, each consisting of 6 rifle/pistol lanes plus 1 MG lane mos. 1 CO set for each support BDE
Multiple Integrated Laser Engagement System (MILES)											Sized or distributed to support unit(s) as required
Precision Gunnery System (PGS)	X										14 per BN for 3 BN equivalents (2 CABs and 1 RSTA)
M1A2 Tank Weapons Gunnery Simulation System (TWGSS)	X										14 per BCT
M1, M1A1 Tank Weapons Gunnery Simulation System (TWGSS)	X										14 per BCT
Thru-Sight Video (TSV) for M2/M3/M1A2	X										14 per BCT
Call For Fire Trainer (CFFT), 1:12	X	X	X						X		2 per BCT in the 1:12 configuration. 1 CFFT Trainer for Fires BDE (1:12)
Bradley Conduct of Fire Trainer (COFT)	X										1 per BCT (1 per 4 IN Co's and 1 RSTA Sqn)
Bradley Advanced Training System (BATS)	X										2 per BCT (4 IN Companies and 1 RSTA)
Abrams Advanced Gunnery Training System (AGTS)	X										1 per BCT (1 per 4 AR Co's)
Abrams Platoon Gunnery Trainer (PGT)										X	1 per installation or Division. Scoped to installation requirements
Close Combat Tactical Trainer (CCTT)										X	1 company/team per installation or Division, Scoped to installation requirements.
Aviation Combined Arms Tactical Trainer (AVCATT)						X	X	X			1 per Aviation BDE. Transportable at unit request
Longbow Crew Trainer (LCT)						X	X				1 per AH-64D BN, Deployable at unit request
UH-60 Blackhawk Flight Simulator										X	Regional Support
Transportable Blackhawk Operations Simulator (T-BOS)										X	Regional Support, Transportable at unit request

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TADSS	Systems in Blue indicate a sized or distributed capability										
CH-47D Flight Simulator										X	Regional Support
CH-47F Training Flight Proficiency Simulator										X	Regional Support
Area Weapons Scoring System (AWSS)										X	Regional support
Chemical Agent Monitor Simulator (CAMSIM)											BOIP Pending
Fire Support CATT A6 (FSCATT)	X										1 per HVY BCT. 3-FT.Sill, 1 NJNG, 3-ROK, 4-Germany
Soldier CATT											One per installation. Unfunded. Regional support
Common Driver Trainer											BOI TBD. Sized or distributed to support unit(s) as required
Virtual Combat Convoy Trainer											BOI TBD. 4 Vehicle modules per suite, number of suites scoped to installation support requirement
ITAS TOW Basic Skills Trainer (BST)		X							X		Sized or distributed to support unit(s) as required. Basis of issue (BOI) is 3 per Infantry BCT
ITAS TOW Field Tactical Trainer (FTT)		X							X		Sized or distributed to support unit(s) as required. Basis of issue (BOI) is 1 FTT per 3 ITAS systems.
Javelin Basic Skills Trainer (BST)	X	X							X		Sized or distributed to support unit(s) as required. Basis of issue (BOI) is 1 per Battalion
Javelin Field Tactical Trainer (FTT)	X	X							X		Sized or distributed to support unit(s) as required. Basis of issue (BOI) is 19 per Heavy BCT and 40 per Light BCT for posts with 3 or more maneuver brigades. Basis of issue (BOI) is 36 per Heavy BCT and 76 per Light BCT with posts that have only 1 or 2 BCTs.
Homestation Instrumentation Training System (HITS)											Tentative BOIP: 1 Co set per BCT. Not funded until 2009.
STRYKER MILES XXI									X		BOI is 310 systems per STRYKER BCT
STRYKER Remote Weapon Station Trainer (RWS)									X		BOI is 30 systems per STRYKER BCT
STRYKER MK19 Tactical Engagement Simulation									X		BOI is 95 systems per STRYKER BCT
STRYKER Tank Weapons Gunnery Simulation System									X		Not Fielded. BOI is 30 systems per STRYKER BCT
STRYKER Through Sight Video									X		Not Fielded. BOI is 9 systems per STRYKER BCT
STRYKER Full-crew Interwractive Simulation Trainer									X		BOI is 6 systems per STRYKER BCT

MER Sustain	Hvy BCT	Inf BCT	Fires	Sustain-ment	ME BDE	MFAB Hvy	MFAB Med	MFAB LT	STRYKER BCT	Inst./Regional Support	Comments BCT
Unique TADSS for ARNG and USAR Units				Systems in Blue indicate a sized or distributed capability							
Call For Fire Trainer (CFFT), 1:4											6 per UA (1:4 system); 3 per Fires SUA (1:12); 1 each 1:4 and 1:30 system per RTI
Combat Mission Simulator (CMS)										X	Regional Support
Cockpit Weapons Emergency Procedure Trainer (CWEPT)										X	Regional Support
Abrams Mobile Conduct of Fire Trainer (M-COFT XXI)										X	1 per CAB; 4 for FT Knox; 2 Camp Shelby; 2 Gowen Field
Bradley Mobile Conduct of Fire Trainer (M-COFT XXI)										X	1 per CAB and 1 per RSTA SQD; 1 for FT Benning; 2 Camp Shelby; 2 Gowen Field
SIMNET XXI											BOIP Unk
A-FIST XXI											3 per CAB; as required by FT Knox
AB-FIST											1 per M2A2 and M2A2 (ODS) CO and 1 per M3A2 and M3A2 (ODS) TRP; 1/UA ENG CO, 1/HVY UA SCT PLT, as required by FT Benning:
Digital Training Development Center (DTDC)										X	ABCS server farm which distributes C4ISR content to ARNG armories, posts, camps and stations
Virtual Training Program (VTP)										X	Provides BN virtual maneuver and battle staff training at FT Knox and live and virtual O/Cs to ARNG training locations
Desktop Trainers											BOIP UNK
Training Products											
UA Combined Arms Training Strategy (CATS)											1 CATS per each Modular Unit within BCT
Warfighter TSP											1 WF TSP per each Modular Unit within BCT
Mission Training Plan (MPT)											1 MTP per each Modular Unit within BCT
Crew Drill Manuals											1 Crew Drill Manual per each MI system in Modular Units (CGS, TUAV, TROJAN LITE, Prophet, DTES, DCGS-A)
Digital Training Management Systems (DTMS)											
Ranges and Training Land											
Modular Range Package											
Training Facilities											
Battle Command Training Capability (BCTC)	CAC-T is developing a separate MER for each installation to include all subsystems and support requirements of BCTC.										Regional Support. Battle Command Training Capability (BCTC) - includes space for Sim/Stim Tech, HICON/EXCON, unit player Sim workcells, reconfigurable White Box TOC's, vehicle pad with power & LAN connectivity, digital classrooms/AAR. ACTF Battle Command footprint sized to Spt installation/unit training requirements i.e. manning, equipment and capabilities. Contains C4ISR white boxes and Battle Command ACTF simulation suite.
TASC										X	Regional Support
Range Control										X	Regional Support. Pending, under development by ATSC
Tactical Unmanned Aerial Vehicle TNG FACILITY										X	Regional Support. Pending, under development by ATSC
IEWTPT Control Cell										X	Regional Support. One TCC per installation; Fort Hood, Fort Bragg, Fort Lewis, Fort Irwin, Fort Polk, 7th ATC, and CMTC.

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Questions of Comments

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